



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 21 December 2000 (21.12.2000)

PCT

(10) International Publication Number WO 00/78065 A1

(51) International Patent Classification⁷: H04L 27/10

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(21) International Application Number: PCT/AU00/00655

9 June 2000 (09.06.2000)

(25) Filing Language:

English

H04Q 7/20,

(26) Publication Language:

(22) International Filing Date:

English

(30) Priority Data:

PQ0884

10 June 1999 (10.06.1999) AU

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,

AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,

ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,

NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ACOUSTIC TRANSMISSION USING DIGITAL MOBILE PHONES

PSEUDO RANDOM SEQUENCE BAND FM ECG BAND

0 100 1200 1650 2150 f (Hz)

(57) Abstract: A method of transmitting frequency modulated data signals over a digital mobile phone network which filters the transmitted data signals is disclosed. The method includes the step of providing original said frequency modulated data signals with more than one frequency, whereby the frequency modulated data signals having more than one frequency are preferably also modulated in amplitude. In one form, the frequency modulated data signals having more than one frequency is achieved by generating a pseudo random sequence which does not overlap the frequency band of the FM data signals and mixing the sequence with the original data frequency modulated signals, whereby the pseudo random sequence has a lower frequency band than that of the original data frequency modulated signals.